

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 1 184 087 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
02.04.2003 Bulletin 2003/14

(51) Int Cl.7: **G03C 1/498**, B05C 5/00,
G03C 1/74

(43) Date of publication A2:
06.03.2002 Bulletin 2002/10

(21) Application number: **01120912.9**

(22) Date of filing: **30.08.2001**

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
 Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: **Nakajima, Kenji**
Minami-Ashigara-shi, Kanagawa (JP)

(74) Representative: **Grünecker, Kinkeldey,**
Stockmair & Schwanhäusser Anwaltssozietät
Maximilianstrasse 58
80538 München (DE)

(30) Priority: **04.09.2000 JP 2000267545**

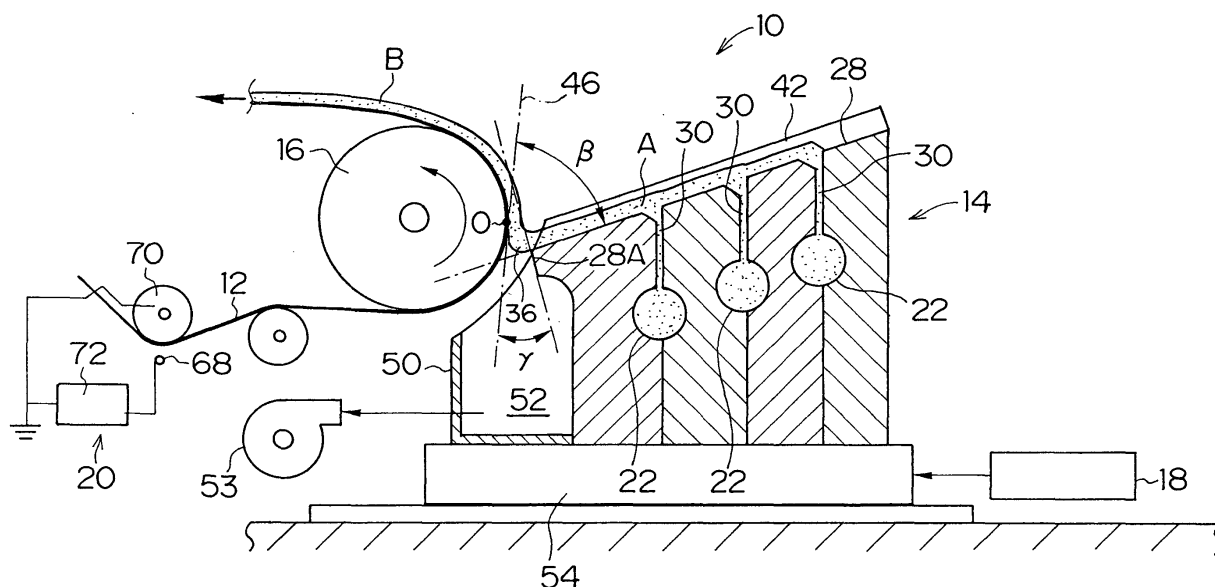
(71) Applicant: **Fuji Photo Film Co., Ltd.**
Kanagawa-ken (JP)

(54) **Coating method and apparatus for heat-development photo-sensitive material**

(57) Each coating liquid is supplied from a first end (a) of each manifold (22) to a second end (b) of the manifold (22), and pressure loss of each coating liquid flowing through each supply slot (30) becomes smaller from the first end (a) to the second end (b) so as to cancel

the pressure loss of the coating liquid flowing through the manifold (22). Each supply slot (30) becomes shorter from the first end (a) to the second end (b). This makes the liquid amount uniform along the width of the supply slot (30) (coating width), and thus the layers (A) can be well formed without defects.

F I G . 1



EP 1 184 087 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 12 0912

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 4 313 980 A (WILLEMSSENS KAREL S) 2 February 1982 (1982-02-02) * claim 1 *		G03C1/498 B05C5/00 G03C1/74
A	US 3 903 843 A (JONES DAVID PETER MARSHALL) 9 September 1975 (1975-09-09) * column 2, line 48 - line 60 * * claims *		
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09, 30 July 1999 (1999-07-30) & JP 11 090296 A (FUJI PHOTO FILM CO LTD), 6 April 1999 (1999-04-06) * abstract *		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G03C B05C
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 29 January 2003	Examiner West, N
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 12 0912

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-01-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4313980	A	02-02-1982	CA 1140001 A1	25-01-1983
			DE 3062585 D1	11-05-1983
			EP 0018029 A1	29-10-1980
			JP 1567743 C	10-07-1990
			JP 55139865 A	01-11-1980
			JP 63032511 B	30-06-1988
US 3903843	A	09-09-1975	GB 1441090 A	30-06-1976
			BE 805996 A1	12-04-1974
			CH 570206 A5	15-12-1975
			DE 2351178 A1	25-04-1974
			FR 2203290 A5	10-05-1974
			JP 49101455 A	25-09-1974
JP 11090296	A	06-04-1999	US 6146708 A	14-11-2000